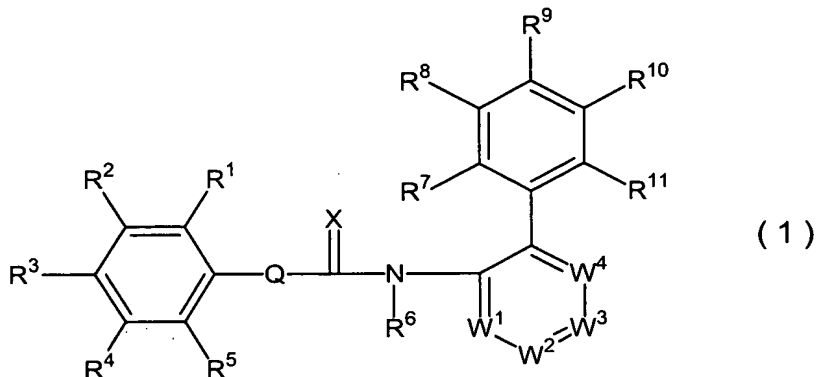


CLAIMS

1. A phenylpyridine compound represented by the formula (1):



- 5 [, wherein, in the formula, R¹, R², R³, R⁴ and R⁵ independently represent a hydrogen atom, a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C2-C6 alkenyl group, a C2-C6 haloalkenyl group, a C2-C6 alkynyl group, a C2-C6 haloalkynyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C3-C6 alkenyloxy group, a C3-C6 haloalkenyloxy group, a C3-C6 alkynyloxy group, a C3-C6 haloalkynyloxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C3-C6 cycloalkyl group, a C3-C6 cycloalkoxy group or a cyano group; both of R² and R³ may be combined to represent a trimethylene, a tetramethylene or -CH=CH-CH=CH-;
- 10 R⁶ represents a hydrogen atom or a C1-C3 alkyl group;
- 15 R⁷, R⁸ and R¹¹ independently represent a hydrogen atom, a halogen atom or a C1-C3 alkyl group;
- 20 R⁹ and R¹⁰ independently represent a hydroxyl group, a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C2-C6 alkenyl group, a C2-C6 haloalkenyl group, a C2-C6 alkynyl group, a C2-C6 haloalkynyl group, a C2-C6 cyanoalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C3-C6 alkenyloxy group, a C3-C6 haloalkenyloxy group, a C3-C6 alkynyloxy group, a C3-C6 haloalkynyloxy group, a C2-C6 cyanoalkyloxy group, a C1-C6 alkylthio group, a C1-C6 haloalkylthio group, a C3-C6 cycloalkyl group, a C3-C6 cycloalkoxy
- 25

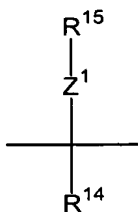
group, a nitro group, a benzyl group or a cyano group;

$W^1-W^2=W^3-W^4$ represents $N-CR^{21}=CR^{22}-CR^{23}$, $CR^{24}-N=CR^{25}-CR^{26}$, $CR^{27}-CR^{28}=N-CR^{29}$ or $CR^{30}-CR^{31}=CR^{32}-N$

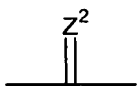
{in which R^{21} , R^{22} , R^{23} , R^{24} , R^{25} , R^{26} , R^{27} , R^{28} , R^{29} , R^{30} , R^{31} and R^{32} independently represent a hydrogen atom, a halogen atom, a C1-C3 alkyl group, a C1-C3 alkoxy group or a C1-C3 haloalkyl group};

X represents an oxygen atom or a sulfur atom;

Q represents a group illustrated by the following formulas of Q1 or Q2



Q1



Q2

{in which R^{14} represents a hydrogen atom or a C1-C3 alkyl group, R^{15} represents a hydrogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C6 alkenyl group, a C3-C6 haloalkenyl group, a C3-C6 alkynyl group, a C3-C6 haloalkynyl group, a C3-C6 cycloalkyl group, a (C1-C6 alkyl)carbonyl group, a (C1-C6 haloalkyl)carbonyl group, a (C1-C6 alkoxy)carbonyl group, a (C1-C6 haloalkoxy)carbonyl group, a (C3-C6 alkenyloxy)carbonyl group, a (C3-C6 haloalkenyloxy)carbonyl group, a (C3-C6 alkynyloxy)carbonyl group, a (C3-C6 haloalkynyloxy)carbonyl group or a C1-C3 alkylsulfonyl group, Z^1 represents an oxygen atom or a sulfur atom, Z^2 represents an oxygen atom, NOR^{16} (in which R^{16} represents a hydrogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C6 alkenyl group, a C3-C6 haloalkenyl group, a C3-C6 alkynyl group, a C3-C6 haloalkynyl group or a C3-C6 cycloalkyl group),

CR¹⁷R¹⁸ (in which R¹⁷ represents a halogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C3-C6 alkenyloxy group, a C3-C6 haloalkenyloxy group, a C3-C6 alkynyloxy group, a C3-C6 haloalkynyloxy group or a C3-C6 cycloalkyloxy group and R¹⁸ represents a hydrogen atom, a halogen atom, a C1-C6 alkyl group or a C1-C6 haloalkyl group) or NNR¹⁹R²⁰ (in which R¹⁹ and R²⁰ independently represent a hydrogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C6 alkenyl group, a C3-C6 haloalkenyl group, a C3-C6 alkynyl group or a C3-C6 cycloalkyl group)]].

2. The phenylpyridine compound according to claim 1, wherein X is an oxygen atom.

3. The phenylpyridine compound according to any one of claim 1 or 2, wherein R⁶ is a hydrogen atom.

4. The phenylpyridine compound according to any one of claim 1 to 3, wherein Q is Q1, R¹⁴ is a hydrogen atom and Z¹ is an oxygen atom.

5. The phenylpyridine compound according to claim 4, wherein R¹⁵ is a hydrogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C6 alkenyl group, a C3-C6 haloalkenyl group, a C3-C6 alkynyl group, a C3-C6 haloalkynyl group or a C3-C6 cycloalkyl group.

6. The phenylpyridine compound according to any one of claim 1 to 3, wherein Q is Q2 and Z² is NOR¹⁶ (in which R¹⁶ is a hydrogen atom, a C1-C6 alkyl group, a C1-C6 haloalkyl group, a C3-C6 alkenyl group, a C3-C6 haloalkenyl group, a C3-C6 alkynyl group, a C3-C6

haloalkynyl group or a C3-C6 cycloalkyl group).

7. The phenylpyridine compound according to any one of claim 1 to 6, wherein R¹, R⁴ and R⁵ are hydrogen atoms.

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8. The phenylpyridine compound according to any one of claim 1 to 6, wherein R¹, R⁴ and R⁵ are hydrogen atoms and R² is a hydrogen atom, a halogen atom, a C1-C6 alkyl group, a C2-C6 alkenyl group, a C3-C6 alkynyl group, a C1-C6 alkoxy group, a C3-C6 alkenyloxy group, a C3-C6 alkynyloxy group, a C1-C6 alkylthio group, a C3-C6 cycloalkyl group, a C3-C6 cycloalkoxy group or a cyano group.

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9. The phenylpyridine compound according to any one of claim 1 to 6, wherein R¹, R², R⁴ and R⁵ are hydrogen atoms.

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10. The phenylpyridine compound according to any one of claim 1 to 9, wherein each of R⁹ and R¹⁰ is a C1-C6 alkoxy group, a C1-C6 haloalkoxy group, a C3-C6 alkenyloxy group, a C3-C6 haloalkenyloxy group, a C3-C6 alkynyloxy group, a C3-C6 haloalkynyloxy group, a C2-C6 cyanoalkyloxy group or a C3-C6 cycloalkoxy group.

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11. The phenylpyridine compound according to any one of claim 1 to 9, wherein each of R⁹ and R¹⁰ is a C1-C4 alkoxy group.

12. The phenylpyridine compound according to any one of claim 1 to 9, wherein R⁹ and R¹⁰ are methoxy groups.

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13. The phenylpyridine compound according to any one of claim 1 to 12, wherein R⁷, R⁸ and R¹¹ are hydrogen atoms.

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14. The phenylpyridine compound according to any one of claim

1 to 13, wherein $W^1-W^2=W^3-W^4$ is $N-CH=CH-CH$, $CH-N=CH-CH$, $CH-CH=N-CH$ or $CH-CH=CH-N$.

15. A fungicidal composition comprising the phenylpyridine
5 compound according to any one of claim 1 to 14 and a carrier.

16. A method for controlling plant diseases comprising applying
of the phenylpyridine compound according to any one of claim 1
to 14 for plants or soils.